



CONTACT

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Strijp-S, Eindhoven, Netherlands

SKILLS

SolidWorks	●●●●●
GD&T and tolerance stacks	●●●●○
Manual turning and milling	●●●●○
TIG welding, steel and aluminium	●●●○●
Ansys Mechanical (FEA)	●●●○●
Python for test data	●●●○●
Metrology and test rigs	●●●●○
Technical drawing to ISO	●●●●●

LANGUAGES

Dutch	Native
English	Fluent - C1
German	Working - B1

Elias Brandt

Mechanical engineering graduate - production and product

BSc Mechanical Engineering, graduated cum laude in June 2026. Two internships and a season with a solar-car team, all of them hands-on: fixtures, test rigs and parts that had to be made, not just drawn. I am looking for a first role in a company that manufactures something. Available from 1 September 2026 and happy to relocate.

EXPERIENCE

Test engineering intern

Feb 2025 – Jun 2025

Kade Windtechniek · Rotterdam

Four months in a composite test department. Bonded and calibrated 24 strain-gauge channels, wrote the reduction script that turned overnight runs into readable curves, and redesigned a clamping end that was flexing enough to contaminate results. Two of my measurements went into the internal report.

Production engineering intern

Feb 2024 – Jul 2024

Vanderpol Cycles · Eindhoven

Six months on the shop floor. Timed one assembly station across 140 cycles, three operators and two shifts, then designed and trialled the fixture that took it from 96 to 68 seconds. Still in use on the line.

Mechanical design member, front corner

Sep 2024 – Jun 2026

Team Meridian solar car · Eindhoven

Two seasons on a student racing team. Responsible for the front uprights (380 g each, passed scrutineering first time) and then the pedal box and steering column. Roughly 300 hours in the workshop alongside a full study load.

Workshop assistant

Sep 2023 – Jun 2024

Dommel Institute of Technology · Eindhoven

Ten hours a week helping first-year students on the manual machines. The fastest way I know to find out whether you actually understand a process is to explain it to somebody holding a tool.

EDUCATION

BSc Mechanical Engineering

Sep 2022 – Jun 2026

Dommel Institute of Technology · Eindhoven

Graduated cum laude, weighted average 8.1 / 10, 180 ECTS. Final project: a repeatable welding jig for small-batch bicycle frames, graded 9.0. Electives in manufacturing processes, design for assembly and measurement.

VWO, Nature and Technology

Sep 2016 – Jun 2022

Stedelijk Lyceum Eindhoven · Eindhoven

Physics, mathematics B and chemistry. Profile assignment on bicycle frame stiffness, which is where most of this started.

CERTIFICATIONS

Certified SolidWorks Professional (CSWP)

2025

Dassault Systèmes

TIG welding, basic certificate

2024

Nederlands Instituut voor Lastechniek

VCA Basic safety certificate

2024

VCA Infra

Driving licence B

2022

RDW

SELECTED PROJECTS

Welding jig for small-batch bicycle frames

Assembly fixture and cycle-time study

Front suspension upright, solar car

Cargo trailer hitch

AWARDS AND ACTIVITIES

Third place, aerodynamics category 2025

Student Solar Challenge, Zandvoort

Dean's list, second and third year 2024 - 2025

Dommel Institute of Technology

Volunteer bicycle mechanic 2023 - present

Repair café, Strijp-S - two Saturdays a month